

Cybersecurity

Students can apply for admission to two distinct degree programs.

Doctor of Philosophy in Cybersecurity

Offered jointly between Khoury College and the College of Engineering, a research-based, interdisciplinary PhD in cybersecurity spans theory and systems, from hardware to software security, from cryptography to policy, and from malware to wireless security. It seeks to prepare graduates to advance the state of the art of security in systems, networks, and the internet in industry, academia, and government. The interdisciplinary nature of the program distinguishes it from traditional doctoral degree programs in computer science, engineering, or social sciences and makes it unique in the Boston area.

Master of Science in Cybersecurity

An industry-focused, interdisciplinary Master of Science in Cybersecurity combines knowledge of information security technology and cybersecurity hands-on tools with relevant knowledge from law, the social sciences, criminology, and management. The Master of Science in Cybersecurity is designed for students focused on cybersecurity careers in companies or government agencies, thus applying their knowledge to their workplaces to assess security threats and manage information security risks and technical and policy controls.

Northeastern University designations by the National Security Agency and the Department of Homeland Security:

- NSA/DHS Center of Academic Excellence in Cybersecurity—Cyber Defense Education
- NSA/DHS Center of Academic Excellence in Cybersecurity—Research
- NSA/DHS Center of Academic Excellence in Cybersecurity—Cyber Operations
- NSA National Center of Academic Excellence in Cybersecurity

Align Master of Science in Cybersecurity

Without exception, every organization needs to protect their information system. Every day cyber risks are becoming more complex, and the sophistication and number of threats is growing continuously. For these reasons, cybersecurity professionals need to become more prepared, with a very solid background and with the capacity to evolve and adapt to the current and future information systems challenges.

Organizations are looking for well-rounded cybersecurity professionals who, beside their understanding of information technologies, can also comprehend the many other dimensions that contribute to effective and efficient information systems security. Professionals with diversified backgrounds are particularly interesting because they are able to provide different approaches to complex cybersecurity problems.

Align-MSCY students are perfect cybersecurity professionals, because they have proven their adaptability to the cybersecurity field and also because they bring an invaluable experience and knowledge from other areas to contribute to a global perspective of an organization's cybersecurity posture.

Programs

Doctor of Philosophy (PhD)

- Cybersecurity (Boston) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-bachelors-degree-entrance-phd/>)

Master of Science

- Cybersecurity (Arlington) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-ms-arl/>)
- Cybersecurity (Boston) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-ms/>)
- Cybersecurity—Align (Arlington) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-ms-align-arl/>)
- Cybersecurity—Align (Boston) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-ms-align/>)

Graduate Certificate

- Cybersecurity (Boston) (<https://catalog.northeastern.edu/graduate/computer-information-science/cybersecurity/cybersecurity-graduate-certificate/>)